| Index of Cla | ims          | 10/7         |   | on/Control No. | Applicant(s)/Patent under Reexamination FREDRICK ET AL. |          |   |  |  |  |
|--------------|--------------|--------------|---|----------------|---|----------|---|--|--|--|
|              |              | Exan<br>M. A |   | ndra Elve      | Art Unit  |          |   |  |  |  |
| √ Rejected   | _ (Through r |              | N | Non-Elected    | A   | Appeal   | ] |  |  |  |
| = Allowed    | ÷ Restric    | cted         | ī | Interference   | 0   | Objected |   |  |  |  |

| n-Elected | A | Appeal   |
|-----------|---|----------|
| erference | o | Objected |

| Cla      | im       | Date     |          |          |  |          | Claim Date |                                     |                |          |          |          |          |           | Cla             | nim      | Date     |          |          |          |          |          |          |          |            |          |          |          |          |          |          |              |           |          |
|----------|----------|----------|----------|----------|--|----------|------------|-------------------------------------|----------------|----------|----------|----------|----------|-----------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|----------|----------|----------|----------|----------|----------|--------------|-----------|----------|
| Final    | Original | 12/13/05 |          |          |  |          |            |                                     |                |          | I coil   |          | Original |           |                 |          |          |          |          |          |          |          | Figs     |          | Original   |          |          |          |          |          |          |              |           |          |
|          | 1        | +        | _        | L        | H  | -        | ┝          | -                                   |                | $\dashv$ | -        | 4        | 51       | _         | Н               | _        | _        |          | $\dashv$ | 4        | -        | 4        | -        | 4        | 101        |          | Щ        |          | ļ        | _        | Н        | -            | $\exists$ |          |
|          | 2        | +        |          | 1        | $\vdash$   | 一        | ┢          | -                                   |                | Н        | ⊢        | $\dashv$ | 52       |           |                 |          | Н        | $\dashv$ | 一        | $\dashv$ | $\dashv$ | ┥.       | $\vdash$ | -        | 102        | $\vdash$ | Н        | _        | ┝        | $\vdash$ | Н        | $\dashv$     | $\dashv$  | $\dashv$ |
|          | 3        | +        | -        | H        | ┢  | 一        | ┢          | $\vdash$                            | $\vdash$       | Н        | $\vdash$ | $\dashv$ | 53       |           |                 |          | $\vdash$ | $\dashv$ | $\dashv$ | ╛        | $\dashv$ | ┨        | $\vdash$ | -        | 103        | _        | П        |          | ┢        | -        | $\vdash$ | $\dashv$     |           | Н        |
|          | 4        | +        |          | Т        | T  | T        | t          | <u> </u>                            | 1              | Н        |          | $\dashv$ | 54       |           | Н               |          | Н        |          | -        | $\neg$   | $\dashv$ | ┪        | $\vdash$ | 7        | 104        | _        |          | -        | ┝        | ┢        | $\vdash$ | $\dashv$     | $\dashv$  | Н        |
|          | 5        | +        |          | H        | t  | T        | Н          |                                     |                | Н        |          | $\dashv$ | 55       |           |                 |          |          | _        | 7        | -        | -+       | $\dashv$ | $\vdash$ | 寸        | 105        | $\vdash$ | -        |          | H        | $\vdash$ | Н        | $\vdash$     | -         | -        |
|          | 6        | +        |          | Т        | T  |          |            |                                     |                |          |          | 7        | 56       |           |                 |          |          |          | 7        | $\dashv$ | 十        | ヿ        | -        | 寸        | 106        | $\vdash$ | П        | $\vdash$ | ┢        | -        | Н        | $\vdash$     | $\neg$    |          |
|          | 7        | +        |          | Г        | T  | T        | 1          | $\vdash$                            | П              | $\Box$   |          | $\dashv$ | 57       |           |                 |          | П        | ヿ        | 寸        | $\neg$   | 一        | ┥.       | $\vdash$ | 7        | 107        |          | Т        |          |          |          | М        | $\neg$       |           |          |
|          | 8        | +        |          |          | T  |          |            |                                     |                | П        |          | 7        | 58       |           | П               |          |          | $\neg$   | ┪        |          | $\dashv$ | ヿ゙       |          | 1        | 108        |          |          |          |          |          | Н        |              | $\neg$    | $\Box$   |
|          | 9        | +        |          |          | Г  |          |            |                                     |                |          |          | 寸        | 59       |           |                 |          |          | $\neg$   | ╛        | コ        | $\neg$   | 7        |          | 寸        | 109        |          |          |          |          | -        | М        |              |           |          |
|          | 10       | +        | П        |          | Г  |          |            |                                     |                |          |          | 7        | 60       |           |                 |          |          |          | 寸        | コ        | $\neg$   | ヿ        | $\vdash$ | ヿ        | 110        |          |          |          |          |          |          |              | $\neg$    |          |
|          | 11       | +        |          |          |  |          | Г          |                                     |                |          |          | 丁        | 61       |           |                 |          |          |          | $\neg$   |          |          | 7        |          |          | 111        |          |          |          |          |          | П        |              |           |          |
|          | 12       | +        |          |          | $\Box$   |          |            |                                     |                |          |          | 7        | 62       |           |                 |          |          |          |          |          | $\Box$ † | J        |          | 一        | 112        |          |          |          |          |          |          |              | $\neg$    | П        |
|          | 13       | +        |          |          |  |          |            |                                     |                |          |          |          | 63       |           |                 |          |          |          |          |          | _1       |          |          | 寸        | 113        |          |          |          |          |          |          |              | $\neg$    | П        |
|          | 14       | +        |          |          |  |          |            |                                     |                |          |          |          | 64       |           |                 |          |          |          | $\Box$   | _]       | $\prod$  |          |          |          | 114        |          |          |          |          |          |          |              |           |          |
|          | 15       | +        |          |          |  |          | $\Box$     |                                     |                |          |          |          | 65       |           |                 |          |          |          |          |          | $\Box$   |          |          | $\Box$   | 115        |          |          |          |          |          |          |              |           |          |
|          | 16       | +        | Ш        | L        | L  |          |            |                                     | $\Box$         |          |          |          | 66       |           |                 |          |          |          | $\Box$   |          | J        | _        |          | $\Box$   | 116        |          |          |          |          |          |          |              |           |          |
|          | 17       | +        |          |          |  | L        |            | L                                   |                |          | L        |          | 67       |           |                 |          |          |          |          |          |          |          |          |          | 117        |          |          |          |          |          |          |              |           |          |
|          | 18       | +        |          |          |  | L        | L          | $oxed{oxed}$                        |                |          |          |          | 68       |           |                 |          |          |          |          |          |          |          |          |          | 118        |          |          |          |          |          |          |              |           |          |
|          | 19       | +        |          | _        | L  | <u> </u> | L          |                                     | Ш              | Ш        |          |          | 69       |           |                 |          |          |          |          |          |          |          |          |          | 119        |          |          |          |          |          |          |              |           |          |
|          | 20       | +        |          | _        | L  | L        |            |                                     | Ш              | Щ        | $\perp$  | $\perp$  | 70       |           |                 |          |          |          |          |          |          |          |          |          | 120        |          |          |          |          |          |          |              |           |          |
|          | 21       |          |          | L.       | ┖  | L        | <u> </u>   | Ш                                   | Ш              | Ц        | L.       | $\perp$  | 71       |           | Ш               |          |          | $\perp$  | $\perp$  |          | _        | _        |          |          | 121        |          |          |          |          |          |          |              |           |          |
|          | 22       |          | L        |          | ┖  | ᆫ        | ┖          |                                     |                | Ш        | L        | $\perp$  | 72       |           |                 |          |          | $\dashv$ | _        |          |          | _        | L        | _        | 122        |          |          |          |          |          |          |              |           |          |
|          | 23       |          | L        | L        | ╙  | oxdot    | <u> </u>   | Ш                                   | Ш              | Ц        |          | _        | 73       |           |                 |          |          | _        | _        | _        |          | _        | _        | _        | 123        |          |          |          |          | L_       |          |              |           |          |
|          | 24       |          |          |          | ᆫ  | L        | L          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |                |          | $\vdash$ | _        | 74       |           |                 |          |          | _        | _        | _        |          | _        | $\perp$  | _        | 124        |          |          |          |          |          |          |              | $\Box$    | $\Box$   |
|          | 25       | _        |          | _        | _  | _        | _          | <u> </u>                            |                | 4        | $\vdash$ | 4        | 75       |           | Щ               | _        | _        | _        | 4        | _        | _        | 4        |          | _        | 125        |          |          |          | Ш        | Ш        | Ш        |              |           | -        |
|          | 26       |          | $\perp$  | _        | ┞  | <u> </u> | L.         | _                                   |                |          | <u> </u> | 4        | 76       |           | Ц               | _        |          | 4        | 4        | _        | 4        | 4        |          | 4        | 126        |          |          |          |          |          |          |              |           | _        |
|          | 27       |          |          | _        | ┡-   | ▙        | <b> </b> - | <u> </u>                            | Ш              |          | <u> </u> | 4        | 77       |           |                 |          | _        | _        | _        | 4        | _        | _        | $\vdash$ | 4        | 127        | Ш        | Ш        |          |          | _        |          |              |           |          |
|          | 28       |          | Н        | _        | <del> </del>                                     | _        | _          | $\vdash$                            | _              |          | <u> </u> | 4        | 78       | _         | _               | _        | _        |          |          | _        | -        | 4        | $\vdash$ | 4        | 128        | Ш        |          |          |          |          | Ш        | _            |           |          |
|          | 29       |          | Н        | <u> </u> | ⊢  | <b>—</b> | _          | -                                   | Ш              | -        | <u> </u> |          | 79       |           | $\Box$          | _        | _        |          | 4        |          | -        | 4        | $\vdash$ | _        | 129        |          | _        |          |          |          | Ш        | $\dashv$     | _         |          |
|          | 30       | _        | $\vdash$ | -        | ⊢  | <u> </u> | <u> </u>   | <u> </u>                            | Н              | _        | _        |          | 80       |           | $\Box$          | _        | _        |          | 4        | _        | -        | 4        | $\vdash$ | _        | 130        |          | _        |          | _        |          |          | _            | _         |          |
|          | 31<br>32 | -        |          | -        |  | ⊢        | ├-         | -                                   | Н              | $\dashv$ | $\vdash$ |          | 81       | _         |                 |          |          | 4        |          |          |          |          | -        | -        | 131        | _        | $\dashv$ |          | _        | _        | Н        |              | $\dashv$  | _        |
|          | 33       |          | $\vdash$ | -        | ⊢  | $\vdash$ | ┢          | Н                                   |                | $\dashv$ |          | +        | 82       | -         |                 |          | $\dashv$ |          |          |          |          | 4        | -        | +        | 132        |          | $\dashv$ |          |          | _        | _        | $\dashv$     | _         |          |
|          | 34       | -        | Н        | -        | $\vdash$   | -        | -          | $\vdash$                            | $\vdash$       | $\dashv$ | <u> </u> |          | 83<br>84 | $\dashv$  | $\vdash \vdash$ | $\dashv$ |          | -+       |          | -        | +        | $\dashv$ | $\vdash$ |          | 133        | Щ        |          | -        | $\vdash$ | Ш        | Н        | $\dashv$     |           | _        |
|          | 35       | -        | Н        | -        | <del> </del> —                                   | $\vdash$ | $\vdash$   | $\vdash$                            | Н              | $\dashv$ | $\vdash$ |          | 85       | -         |                 |          | $\dashv$ | -+       | -        | $\dashv$ | +        | $\dashv$ | -        | $\dashv$ | 134<br>135 | $\dashv$ | $\vdash$ |          | $\vdash$ | Ь.       | $\vdash$ |              | $\dashv$  | _        |
|          | 36       | $\vdash$ | Н        | -        | $\vdash$   | $\vdash$ | ╁          | Н                                   | Н              | $\dashv$ | $\vdash$ |          | 86       |           | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | +        | $\dashv$ | $\vdash$ | -        | 136        |          | $\vdash$ | $\vdash$ | H        | H        | $\vdash$ | $\dashv$     | $\dashv$  | $\dashv$ |
|          | 37       |          | H        | -        | $\vdash$   | -        | ┢          | Н                                   | $\vdash\vdash$ | $\dashv$ | $\vdash$ |          | 87       | -         |                 | $\dashv$ | -        | -        | -        | -        | +        | $\dashv$ | $\vdash$ |          | 136        |          | $\vdash$ |          |          | H        | $\vdash$ | -            | $\dashv$  | $\dashv$ |
| $\dashv$ | 38       |          | $\vdash$ | -        | <del>                                     </del> | $\vdash$ | $\vdash$   | $\vdash$                            | $\vdash$       | $\dashv$ | $\vdash$ |          | 88       | _         | -               | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | -        | $\dashv$ | -        | $\dashv$ | 138        | $\vdash$ | $\vdash$ | $\vdash$ | H        | H        | $\vdash$ |              |           | _        |
|          | 39       |          |          | -        | $\vdash$   | -        | 1          | $\vdash$                            | $\vdash$       | ᅱ        | -        |          | 89       | -         | $\dashv$        | $\dashv$ |          |          | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\vdash$ | $\dashv$ | 139        | $\vdash$ |          |          | -        | $\vdash$ | $\vdash$ |              | $\dashv$  | _        |
|          | 40       | -        | H        | $\vdash$ | H  | $\vdash$ | $\vdash$   | $\vdash$                            | $\vdash$       | $\dashv$ | $\vdash$ |          | 90       | $\dashv$  | $\vdash$        | $\dashv$ | $\dashv$ | -        | $\dashv$ | ┥        | $\dashv$ | $\dashv$ | -        |          | 140        | -        | $\dashv$ |          | $\vdash$ | $\vdash$ | $\vdash$ | $\dashv$     | -         | $\dashv$ |
|          | 41       |          | Н        | $\vdash$ | Т  | $\vdash$ |            | Н                                   | $\vdash$       | $\dashv$ | $\vdash$ |          | 91       |           | -               | -        |          | ┥        | $\dashv$ | -        | $\dashv$ | $\dashv$ | -        |          | 141        |          |          |          | Н        | Н        | $\vdash$ | -            | $\dashv$  | $\dashv$ |
|          | 42       |          | $\vdash$ | _        | t  | T        | Т          | H                                   | $\vdash$       | $\dashv$ |          | $\dashv$ | 92       | $\dashv$  | $\vdash$        | $\dashv$ | $\dashv$ | -        | $\dashv$ | ┥        | $\dashv$ | $\dashv$ | $\vdash$ |          | 142        | $\dashv$ | $\dashv$ | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | ᅱ            | $\dashv$  | $\dashv$ |
|          | 43       |          | $\vdash$ | _        | Н  |          |            | Н                                   | $\vdash$       | $\dashv$ | $\vdash$ |          | 93       | $\neg$    | -               | $\dashv$ | -        | $\dashv$ | $\dashv$ | +        | 十        | $\dashv$ | -        | $\dashv$ | 143        | $\vdash$ | -        | $\vdash$ | Н        | Н        | $\vdash$ | $\dashv$     | $\dashv$  | -        |
|          | 44       |          |          |          | <del>                                     </del> |          | П          | П                                   |                | 一        |          |          | 94       |           | $\vdash$        | 一        | $\dashv$ | 7        | +        | ┪        | 十        | $\dashv$ | $\vdash$ |          | 144        | $\dashv$ | $\dashv$ | $\dashv$ | Н        | $\vdash$ | $\vdash$ | <del> </del> | ᅥ         | $\dashv$ |
|          | 45       | $\neg$   | $\vdash$ |          | ┢  | П        | Т          | Н                                   |                | $\dashv$ |          |          | 95       | $\dashv$  | $\dashv$        | $\dashv$ | $\dashv$ | 十        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$ |          | 145        | -        | $\dashv$ | -        | -        | _        | $\vdash$ | -            | ᅱ         | $\dashv$ |
|          | 46       |          |          | _        | ⇈  | П        |            | Н                                   |                | $\dashv$ | $\vdash$ |          | 96       | $\neg$    | $\dashv$        | $\neg$   | $\dashv$ | -+       | +        | 7        | $\dashv$ | $\dashv$ |          | +        | 146        | $\dashv$ | $\dashv$ | $\dashv$ | Н        |          | $\vdash$ | 一            | $\dashv$  | -        |
|          | 47       |          |          |          | Г  | П        |            | П                                   | $\neg$         | $\dashv$ |          |          | 97       | $\exists$ | H               | ᅥ        | $\neg$   | -+       | $\dashv$ | 7        | $\top$   | $\dashv$ |          |          | 147        | $\dashv$ | $\dashv$ | $\neg$   | Н        |          | $\dashv$ | _            | -         | _        |
|          | 48       |          |          |          |  |          |            | П                                   |                | $\neg$   |          |          | 98       | $\neg$    | $\dashv$        | $\dashv$ | 一        | 十        | 十        | 7        | $\top$   | ヿ        | $\vdash$ |          | 148        | $\neg$   | $\neg$   | -        | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$     | $\dashv$  | $\dashv$ |
|          | 49       |          |          |          | Г  |          |            | П                                   |                | ヿ        |          |          | 99       | 7         |                 | $\neg$   | $\neg$   | 寸        | 丁        | 1        | $\neg$   | 7        |          |          | 149        |          |          |          |          | $\Box$   | $\dashv$ | $\dashv$     | ヿ         | ᅱ        |
|          | 50       |          |          |          |  |          |            |                                     |                | $\Box$   |          |          | 100      |           |                 | $\neg$   | $\neg$   | $\neg$   | $\neg$   | $\neg$   | $\top$   | 7        | Г        |          | 150        |          |          |          |          |          |          | 寸            | ╗         | $\neg$   |